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Heywood.*



Borough of Heywood.

Annual Report
OF THE
Medical Officer of Health
FOR
YEAR ENDING DECEMBER 31st, 1908.

H. H. I. HITCHON,

MEDICAL OFFICER OF HEALTH.

GEO. G. BOUCHIER,

TOWN CLERK.

Heywood:

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Report of the Medical Officer of Health.



*To the Chairman and Members of the Health Committee of the
Corporation of Heywood.*

GENTLEMEN,

I have the honour to present to you my Annual Report on the Health of the Borough of Heywood, being the eleventh issued since my appointment as your Medical Officer.

The statistics this year have been based on an estimated population of 27,047. distributed as follows :—

North Ward	10466
South Ward	11102
West Ward	5479
	<hr/>
	27047
	<hr/>

BIRTHS.—The number registered during 1908 was 571. This number is 59 less than registered in 1907. In 1907, there was an increase of 43 as compared with the previous year. The birth rate is therefore 21·11 per 1,000 of the estimated population whereas during the previous year it was estimated at 23·48 per 1,000 of the population. Twenty-nine of the above births were illegitimate, which is equal to 5·07 per cent of the total births.

The decrease in the birth-rate this year is very considerable, being the lowest recorded during the last 26 years.

During the last ten years 1899-1908, the birth-rate in Heywood was 22·80 whereas during the ten years previous 1889-1898, the birth-rate was 25·6 per 1,000 of the population, *i.e.*, the birth-rate has fallen 2·80 per 1,000 of the population.

In England and Wales the birth-rate during 1908 was 26·5 per 1,000 of the population, whereas during the previous year it was 26·3 per 1,000 of the population.

Of the 571 children born during 1908, 290 were males and 281 were females.

DEATHS.—The deaths of 421 persons took place during 1908, within the Borough of Heywood, whereas during the previous year 419 deaths occurred.

The deaths occurred in the different wards as follows:—

North Ward	144
South Ward	195
West Ward	82
	<hr/>
	421
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The death-rate for 1908 is 15·56 per 1,000 of the population. In the previous year the death-rate was 15·62 per 1,000 of the population, therefore there is a decrease in the death-rate of 0·06 per 1,000 of the population.

The average death-rate for the previous fifteen years is equal to a rate of 17·86 per 1,000 of the population.

The average death-rate throughout all England and Wales during 1908 was 14·7 per 1,000 of the population (see subjoined table).

Vital Statistics for England and Wales, 1908.

Annual Birth-rates and Death-rates from the Seven Chief Epidemic Diseases, (Smallpox, Measles, Scarlet Fever, Diphtheria, Whooping Cough, Typhoid Fever and Diarrhœa).

	Annual Rates per 1,000 Living.				Deaths under one year to 1,000 Births.
	Births.	Deaths.		Principal Epidemic Diseases.	
		Crude.	Corrected.		
England and Wales..	26·5	14·7	14·7	1·29	121
76 great towns	27·0	14·9	15·8	1·59	128
142 smaller towns....	26·0	14·0	14·7	1·26	124
England and Wales less the 218 towns...	26·2	14·7	13·8	0·99	110

The corrected death-rates are the rates which would have been recorded had the sex and age constitution of the populations of the several areas been identical with that of England and Wales as enumerated in 1901.

The following Table shews the death-rates for the various Wards during the last ten years :—

	1908	1907	1906	1905	1904	1903	1902	1901	1900	1899	Average per year
North Ward:—	13·75	15·12	14·49	13·76	17·98	16·64	15·43	14·16	18·27	21·14	16·07
South Ward:—	17·56	16·53	16·24	16·68	17·68	15·50	15·30	15·59	18·06	19·01	16·81
West Ward:—	14·96	14·72	18·45	16·62	21·83	14·31	16·66	15·96	18·97	16·16	16·86

The number of births exceeds the number of deaths during the year by 150, shewing a natural increase in the population of 150, whereas during the previous year the natural increase was 211.

During the year 1908, 50 deaths of persons formerly resident in the Borough occurred outside the Borough, viz :—

Bury Union Workhouse.....	41
Bury Infirmary	5
County Lunatic Asylum, Lancaster	1
Private Nursing Home Manchester	1
Salford Royal Hospital.....	1
Robinson Kay Home, Bury.....	1

If these deaths be added to the 421 which occurred within the Borough, then the total number would be 471 deaths, which would be equal to a crude death-rate of 17·41 per 1,000 of the population.

The crude death-rate in 1907, was 17·48 per 1,000 of the population.

The Tables in this Report are based upon the number of deaths occurring within the Borough only.

INFANT MORTALITY RATE.—This rate shews the number of deaths of children under one year of age per 1,000 births.

In 1908 in the Borough of Heywood it was 159 as against 122 in the preceding year. In England and Wales it was 121.

Year.	INFANT MORTALITY RATE.	
	England & Wales.	Heywood.
1899	163	209
1900	154	167
1901	151	128
1902	133	121
1903	132	126
1904	146	210
1905	128	117
1906	133	172
1907	118	122
1908	121	159
Average ...	137	153

Ninety one deaths have occurred in children under 1 year and sixty six of these children were fed with the bottle, whereas last year out of seventy seven deaths forty one were brought up artificially.

The Infant Mortality rate has increased very considerably this year in the Borough, whereas the rate for England and Wales has only slightly increased.

This is due to the increase in the deaths under the head of Diarrhœal Diseases, there being 36 deaths recorded as due to Diarrhœa or Enteritis and Gastritis, and also an increase in the deaths from wasting diseases, Atrophy, Debility, and Marasmus.

Below you have presented to you a statement of the chief causes of the deaths amongst infants in this town during the last five years.

Causes of death under 1 year of age :—

	1904	1905	1906	1907	1908
Common Infectious Diseases :—					
Measles - - - -	8	1	1	4	—
Scarlet Fever - - - -	—	1	1	—	—
Diphtheria - - - -	1	—	—	—	—
Whooping Cough - - - -	11	1	—	5	1
Diarrhœal Diseases :—					
Diarrhœa (in all forms) - - - -	19	13	22	—	29
Enteritis - - - -	1	2	2	—	4
Gastritis, Gastro-intestinal Catarrh	4	3	7	3	3
Wasting Diseases :—					
Premature Birth - - - -	15	5	9	10	6
Congenital Defects - - - -	—	4	10	7	7
Injury at Birth - - - -	—	1	—	1	1
Atrophy, Debility, and Marasmus	11	6	7	3	9
Want of Breast Milk - - - -	—	—	1	—	—
Tuberculous Diseases :—					
Tuberculous Meningitis - - - -	3	—	—	—	—
„ Peritonitis, Tabes Mesenterica	1	—	1	5	1
Other Tuberculous Diseases - - - -	—	1	2	—	1
Meningitis (not Tuberculous) - - - -	2	1	1	3	2
Convulsions - - - -	8	9	5	5	8
Bronchitis - - - -	15	8	17	11	11
Erysipelas - - - -	—	—	1	—	—
Pneumonia - - - -	10	4	9	13	4
Suffocation (overlaying) - - - -	1	—	—	—	—
Syphilis - - - -	—	—	1	—	—
Other Causes - - - -	8	7	4	7	4
Total.....	118	67	101	77	91

From this table you will at once see the large number of deaths attributed to Diarrhœal Diseases, Wasting Diseases, Bronchitis and Pneumonia.

The common Infectious diseases caused only 35 deaths.

Whereas

Diarrhœal Diseases caused	112
Wasting Diseases caused	113
Bronchitis and Pneumonia caused	102
Tubercular Diseases caused	15
Deaths from all other causes ..	77
<hr/>	
Total.....	454

Forty per cent. of the deaths notified this year as under one year of age occurred in children under three months, and forty per cent. of the latter died from Wasting Diseases, such as Premature Birth, Congenital Defects, Atrophy, Debility, etc., and thirty-five per cent. from Diarrhœal Diseases.

The increase in the artificial feeding of infants is very noticeable this year, and is a matter for the very serious attention of your Committee. Last year 53 % of the infants dying under 1 year of age were artifically fed ; this year 72 per cent. were brought up in the latter way.

Your attention has been called to this matter in my previous reports.

The natural feeding of the young must be carried out by the mothers if this heavy death-rate is to be reduced.

The value of breast feeding is shewn very clearly in the Annual Health Report for Stockport, which was issued for 1907 by Dr. Meredith Young.

The Lady Health Visitor as a result of her visits to the homes where births had recently occurred, describes the mode of feeding of the infants, and classifies the condition of health of the latter.

	Healthy	Delicate	Total
Breast-fed	1200 or 98·6 %	16 or 1·4 %	1216
Partially breast-fed ...	142 or 81·1 %	33 or 18·9 %	175
Artificially fed	158 or 48·9 %	165 or 51·1 %	323

The large percentage of breast-fed children who are healthy is very marked, whereas those who are only partially breast-fed shew a distinct decline in health, and again the artificially fed shew the highest percentage of delicate children.

Since a Lady Health Visitor was appointed to look after the Infant Life of Stockport, breast feeding has increased very considerably, and the infantile death rate has been proportionately reduced.

There is a very potent argument in favour of the appointment of a Lady Inspector, whose chief duty would be to give advice to mothers in the feeding and rearing of the young.

ZYMOTIC DISEASES.—The number of Notifications of Infectious Diseases received this year under the provisions of the Infectious Diseases Notification Act is much smaller than that received for any year since 1901.

The seven principal zymotic diseases, viz., small-pox, measles, scarlet fever, diphtheria, whooping cough, typhoid fever, and diarrhœa, caused 52 deaths, or 12·35 of the deaths from all causes.

These deaths were equal to an annual zymotic death rate of 1·92 per 1,000 of the population of the Borough of Heywood. Last year the zymotic rate was 1·00.

The rate for England and Wales for 1908 was 1·29.

The following notifications of Infectious Diseases have been received during the year, and the following deaths have occurred

from the diseases mentioned :—

Scarlet Fever	Cases notified	12	Deaths	0
Typhoid Fever.....	„	8	„	3
Puerperal Fever	„	5	„	0
Diphtheria and Membranous Croup	„	12	„	3
Erysipelas.....	„	13	„	0

Table showing the number of Infectious Diseases notified from 1898 to 1908 :—

	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908
Small-pox	3	—	—	—	1	48	10	32	1	—	—
Scarlet Fever.....	38	28	32	14	22	86	101	193	186	34	12
Diphtheria	4	4	10	13	51	56	29	48	15	11	12
Typhus Fever.....	—	2	—	—	—	—	—	—	—	—	—
Enteric Fever.....	14	37	30	14	7	7	7	5	14	7	8
Puerperal Fever...	5	3	1	2	4	3	4	2	2	7	5
Erysipelas	—	—	—	—	—	5	10	30	35	20	13
Chicken-pox	—	—	—	—	—	—	—	14	—	—	—
	64	74	73	43	85	205	161	324	253	79	50

SMALL-POX.—No cases were notified during the year.

VACCINATION.—There is still a decline in the number of primary vaccinations performed, which is no doubt due to the absence of Small-pox, no cases having been reported during the year.

During 1908 160 primary vaccinations were performed.

„	1907	243	„	„	„	„
„	1906	261	„	„	„	„
„	1905	356	„	„	„	„
„	1904	336	„	„	„	„
„	1903	630	„	„	„	„
„	1902	460	„	„	„	„
„	1901	267	„	„	„	„
„	1900	268	„	„	„	„
„	1899	554	„	„	„	„
„	1898	97	„	„	„	„
„	1897	36	„	„	„	„

TYPHUS FEVER.—No cases were notified during the year.

DIPHTHERIA AND MEMBRANOUS CROUP.—Twelve cases were reported, and three deaths occurred during the year, whereas in the previous year eleven cases were reported, and two deaths were registered.

The disease has been distributed in the Borough as under :—

North Ward.		South Ward.		West Ward.	
	Cases		Cases		Cases
Green Lane	1	Byng Street	1	Heap Bridge :—	
John Street	1	Manchester Road . .	1	Prettywood Back . .	1
Miller Street	2	Hampson Terrace . .	2	Waterfold Lane . . .	1
		(2 cases in one house)			
Peel Lane	1				
York Street	1				
	6		4		2

The mortality this year is 25.0 per cent. whereas last year it was 18.18 per cent.

DIPHTHERIA.

CASES REPORTED. DEATHS.

	Total	North Ward	South Ward	West Ward	North Ward	South Ward	West Ward
January	2	1	—	1	1	—	—
February	2	—	2	—	—	—	—
March	1	1	—	—	1	—	—
April	—	—	—	—	—	—	—
May	—	—	—	—	—	—	—
June	2	—	2	—	—	—	—
July	—	—	—	—	—	—	—
August	1	—	—	1	—	—	—
September	—	—	—	—	—	—	—
October	2	2	—	—	—	—	—
November	2	2	—	—	1	—	—
December	—	—	—	—	—	—	—
Total	12	6	4	2	3	—	—

The disease has manifested itself in 11 houses.

6 houses were situated in the North Ward.

3 houses were situated in the South Ward.
(2 cases in one house.)

2 houses were situated in the West Ward.

The houses were supplied with the following Sanitary Conveniences :—

Fresh Water Closet...	...	...	...	0
Waste Water Closets	...	...	...	5
Closed Midden Privies	...	...	...	5
Open Midden Privies	...	...	...	1
				<hr/>
				11
				<hr/>

The ages of the persons affected and the ages of the fatal cases are as follows :—

				CASES NOTIFIED.	FATAL CASES.
Under 1 year	.....			1	0
1 year and under	5...			5	3
5	„	„	10...	3	—
10	„	„	15...	1	—
15	„	„	25...	2	—
				<hr/>	<hr/>
				12	3
				<hr/>	<hr/>

CASES NOTIFIED.		DEATHS.	
Males.....	7	Males.....	0
Females	5	Females.....	3
<hr/>		<hr/>	
12		3	
<hr/>		<hr/>	

There has been a slight increase in the number of cases reported, and also, in the number of deaths occurring from this disease.

Nine cases have occurred under 10 years of age, and the deaths have occurred in children under 5 years of age.

The milk supply of these twelve cases was obtained from twelve farmers.

Defective drains were found in one instance.

The condition of the houses as to cleanliness, was reported as follows :—

Very clean.	Clean.	Dirty.
0	10	1

Isolation was carried out in five houses, but in six houses there was no attempt at isolation.

6 of the cases attended Day Schools, (distributed amongst six Schools).

4 of the cases did not attend Day Schools, (all being too young).

2 of the cases were employed in cotton Mills.

SCARLET FEVER.—During the year 12 cases were reported and no death has been registered from this disease. This is by far the lowest number reported during the last ten years.

In the previous year 34 cases were reported and one death was registered from the disease.

The disease has occurred as under :

North Ward.	South Ward.	West Ward.
Cases	Cases	Cases
Gas Street.....1	Manchester Rd., Birch...1	Heap Bridge :—
Market Street .....1	Hampson Terrace.....1	Gore Street .....2 (2 cases in one house)
	Hill Street .....1	Melton Street .....1
	Marlborough Street1	Pilsworth Road1
	Middleton Road.....1	
	Wilton Street1	
—	—	—
2	6	4
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CASES REPORTED.

DEATHS.

	Total	North Ward	South Ward	West Ward	North Ward	South Ward	West Ward
January	1	—	1	—	—	—	—
February	—	—	—	—	—	—	—
March	1	—	1	—	—	—	—
April	1	—	1	—	—	—	—
May	2	—	1	1	—	—	—
June	3	1	—	2	—	—	—
July	—	—	—	—	—	—	—
August	—	—	—	—	—	—	—
September ...	2	—	2	—	—	—	—
October	—	—	—	—	—	—	—
November ...	1	1	—	—	—	—	—
December ...	1	—	—	1	—	—	—
Total...	12	2	6	4	—	—	—

The ages of the persons affected and the ages of the fatal cases are as follows:

CASES NOTIFIED.

FATAL CASES.

Under 1 year	1
Between 1 and 5 years...	1
Between 5 and 15 years...	9
Between 15 and 25 years...	1
	—
	12

—
—
—
—
—
0

CASES AFFECTED.

DEATHS.

Males.....	7
Females	5
	—
	12

Males.....	0
Females.....	0
	—
	0

The disease has manifested itself in 11 houses :—

2 houses were situate in the North Ward.

6 houses were situate in the South Ward.

3 houses were situate in the West Ward... 2 cases occurred in one house.

The houses were supplied with the following sanitary conveniences :—

Fresh Water Closet.....	1
Waste Water Closets	6
Closed Midden Privies	3
Pail	1
	<hr/>
	11

Isolation was adopted in six houses but in the remaining five houses it was not even attempted.

TYPHOID FEVER.—Eight cases have been notified during the year, and three deaths have been registered. During the year 1907 seven cases were reported and one death occurred.

Two cases occurred in the North Ward.

Two cases occurred in the South Ward.

Four cases occurred in the West Ward.

The disease has neither been traced to the water nor milk supply in any case.

The disease manifested itself in eight houses, and the latter were supplied with the following conveniences :—

Waste Water Closets	4
Closed Midden Privies	2
Pails	2
	<hr/>
	8

Isolation was adopted in five houses, but in the remaining three houses it was not even attempted.

The disease has occurred in the following streets and wards during the year :—

North Ward.	South Ward.	West Ward.
Olive Street .....1	Lane End, Hopwood ..1	Bury New Road .....1
West Street .....1	Manchester Street ....1	Bury Street .....1
		High Street .....1
		Heap Bridge, Lord St. ...1
		<hr/>
<hr/>	<hr/>	4
2	2	

CASES REPORTED.

DEATHS.

	Total	North Ward	South Ward	West Ward	North Ward	South Ward	West Ward
January	—	—	—	—	—	—	—
February	—	—	—	—	—	—	—
March	1	1	—	—	—	—	—
April.....	1	—	1	—	—	—	—
May	2	—	1	1	—	—	1
June	—	—	—	—	—	—	—
July	—	—	—	—	—	—	—
August.....	1	—	—	1	—	—	1
September ...	2	—	—	2	—	—	1
October	1	1	—	—	—	—	—
November ...	—	—	—	—	—	—	—
December ...	—	—	—	—	—	—	—
Total...	8	2	2	4	—	—	3

The ages of the persons affected and the ages of the fatal cases are as follows :—

CASES NOTIFIED.

FATAL CASES.

Under 1 year	—	—
1 and under 5 years	—	—
5 and under 15 years	—	—
15 and under 25 years	2	1
25 and under 65 years	6	2
65 and upwards	—	—
	<u>8</u>	<u>3</u>

CASES AFFECTED.

DEATHS.

Males.....	5
Females	3
	<u>8</u>

Males.....	1
Females	2
	<u>3</u>

BRONCHITIS, PNEUMONIA, & PLEURISY.—The total number of deaths registered is 75. Twenty-one of these were under five years of age ; and fifty-four above five years of age ; this is equal to an annual death-rate of 2·77 per thousand of the population. The deaths occurred as follows :—North Ward 24 ; South Ward 41 ; West Ward 10. During the previous year 107 deaths took place, 37 were under five years of age and seventy above five years of age, which was equal to an annual death-rate of 3·98 per thousand of the population.

Fifty-two of these deaths were due to Bronchitis, and they occurred at the extremes of life.

Under 1 year,	1 and under 5,	5 and under 15,	15 and under 25,
11	2	1	0
25 and under 65,		65 and upwards,	
21		17	

Pneumonia caused 23 deaths, and the following table shews the age periods at which these deaths were recorded :—

Under 1 year,	1 and under 5,	5 and under 15,	15 and under 25,
4	4	1	2
25 and under 65,		65 and upwards,	
11		1	

Pleurisy caused no deaths.

PHTHISIS.—All cases of Consumption, whether affecting the brain, bowels, joints, or lungs, &c., are included under this head. Forty-five deaths have been registered during the year ; 2 under one year, 4 between one and 5 years of age, and 39 were above five years of age. This is equal to an annual death-rate of 1·66 per thousand of the population, *i.e.*, roughly, one out of nine of the deaths this year is due to consumption.

During the last fourteen years 731 deaths have occurred from this disease (162 of these were deaths of children under five years

of age) out of a total of 6281 deaths from all causes, or about one out of eight persons have died from phthisis.

Of the forty-five patients who died of Phthisis during 1908, 26 were males and 19 were females, and their occupations were as follows :—

Clerk	1
Carter	1
Cotton Operatives	11
Labourers	4
Milliner	1
Printer	1
Scholars	3
Shuttle-makers	2
Stonemasons	2
Tobacconist	1
Weaver	1
Wheelwright	1
No occupation	16
	—
	45

WARD DISTRIBUTION OF PHTHISIS CASES.

North Ward	17
South Ward	18
West Ward	10
	—
	45

The L.G.B. have issued an important memorandum in connection with the Public Health (Tuberculosis) 1908 Regulations.

By these regulations, the notification to the Medical Officer of Health, of Consumption occurring amongst inmates of Workhouses or amongst those receiving Poor Law relief, is made compulsory.

Further, a Council may, on the advice of their Medical Officer of Health, for the prevention of the further spread and infection of

Pulmonary Tuberculosis, after notification of such cases, take such measures as have reference to the destruction and disinfection of infected articles, or the cleansing or disinfecting of premises.

These very important Regulations if carried out would do much to prevent the spread of this dreaded disease.

MEASLES.—Five deaths occurred during the year. During the previous year eleven deaths occurred.

They were distributed as follows:—

North Ward.	South Ward.	West Ward.
Bradshaw Street.....1	Barlow Street .....1	
Britannia Street .....1	May Street (Back) ....1	
Rochdale Lane.....1		
<hr/> 3	<hr/> 2	<hr/> 0

The deaths occurred at the following ages:—

Under 1 year.....	0
One and under 5 years	4
Over 5 years	1
	<hr/> 5

This disease was prevalent during the latter months of 1907 and continued to spread during the following year to all parts of the Borough, and it was considered advisable to close the Infant Departments of the following Schools:—

St. John's C.E. School (Infants) from Jany. 7th to 27th, 1908.
do. do. from September 24th to Oct. 16th, 1908.

All Souls' C.E. School (Infants) from July 22nd to 31st, 1908.

Heap Bridge C.E. School (Infants) from September 30th to October 16th, 1908.

The average attendance at St. John's C.E. School (Infants' Dept.) in January, 1908, was 72·5 %

"	"	"	"	when closed was 28·8 %
"	"	"	"	when re-opened was 54·4 %
"	"	"	"	in Sept., 1908, was 80·3 %
"	"	"	"	when closed was 54·7 %
"	"	"	"	when re-opened was 72·1 %
"	"	at All Souls' C.E. School (Infants' Dept.)		was 75 %
"	"	"	"	when closed was 55·2 %
"	"	"	"	when re-opened was 72·9 %
"	"	at Heap Bridge C.E. School (Infants' Dept.)		was 77·7 %
"	"	"	"	when closed was 49 %
"	"	"	"	when re-opened was 54 %

The closure of these Infant Departments was followed by a very noticeable diminution in the number of cases of Measles in the neighbourhood of the Schools closed.

During the last fourteen years Measles has caused 149 deaths, whilst the deaths from all the notifiable Infectious Diseases combined (Small-pox, Diphtheria, Scarlet Fever, Enteric Fever, Puerperal Fever, Typhus Fever, and Erysipelas) have only been 207.

DIARRHŒA.—Forty deaths have occurred. During the previous year four deaths were registered.

The deaths have occurred at the following ages :—

- 28 Under 1 year of age.
- 6 One and under five years of age.
- 0 Five and under fifteen years of age.
- 1 Fifteen and under twenty-five years of age.
- 2 Twenty-five and under sixty-five years of age.
- 3 Sixty-five years and upwards.

The deaths have been distributed as follows :—

North Ward.	South Ward.	West Ward.
Adam Street.....1	Birch Street.....1	Bury New Road .....1
Adelaide Street .....1	Earl Street .....1	Bury Street .....1
Bridge Street .....1	Ebenezer Place .....1	Back Mason Street.....2
Brierley Street.....1	Fearn Street.....1	Mills Street .....1
Green Lane .....1	Fox Street.....1	North Street.....1
Miller Street.....1	Leopold Street.....1	Rose Hill Street .....1
Promenade Street ....1	Longfield .....1	Todd Street .....1
Rochdale Road.....1	Mount Street .....1	William Henry Street ..1
Woodfield Cottages ....1	Middleton Road .....1	
York Street .....1	St. James' Street ....1	
	Schofield Street .....3	
	Schofield Street off....1	
	Torrington Street ....2	
	Union St., Green Lane 1	
	Withington Street ....1	
	Walton Street .....1	
	Wilton Street .....1	
	Birch, Lodge View ....1	
	<hr/>	<hr/>
	10	21
		9

The disease was very prevalent in August and September, especially during the hot and dry weather prevailing in those months

The high mortality amongst the Infants is very noticeable, and of the 28 infants dying of Diarrhœa 24 were bottle fed, 2 were fed with the breast and bottle, and 2 were reported as breast fed only.

The following sanitary conveniences existed where the Infants died :—

Closed Privy Middens	10
Waste Water Closets	13
Pails	4
Fresh Water Closet	1
	<hr/>
	28

The Sanitary Inspector reported as follows on the cleanliness, &c., of the houses, where the deaths occurred :—

11 very clean
15 clean.
2 dirty.
<hr/>
28

Only in one instance, were defective drains found. Over twenty farmers supplied milk to the 28 houses.

The children were nursed at home, with the exception of 3 cases.

The mothers were engaged at work at the Mills in seven cases only, and with one exception, it was absolutely necessary they should be thus employed in order to assist in the support of their families.

The argument is often used that bottle feeding is resorted to because the mothers are obliged to go to work to support their families. Here you have 28 children dying of Diarrhœa—24 of whom were bottle fed, and yet only seven of their parents worked at the mill, and even then it was not necessary one of the latter should be so employed.

The deaths occurred during the month of March, 2; April, 1; July, 2; August, 20; September, 6; October, 8; November, 1. Total 40. Of these deaths 24 were Males; and 16 Females.

INFLUENZA.—Eight deaths were due to this disease during the year. In 1907 thirteen deaths occurred from Influenza.

PUERPERAL FEVER --Five cases of this disease were notified and no death occurred. In 1907 seven cases were reported, and one death occurred :—

North Ward.	South Ward.	West Ward.
Tonge Street 1	Cromwell Street..... 1	Off Derby Street 1
		Heap Bridge 2
<hr/> 1	<hr/> 1	<hr/> 3

ERYSIPELAS.—Thirteen cases were notified during the year, and these cases occurred as follows :—

	CASES NOTIFIED.	FATAL CASES.
North Ward	9	0
South Ward	2	0
West Ward	2	0
	<hr/> 13	<hr/> 0

The ages and sex distribution of the notified cases were as follows :—

	Under 1 year	1 to 5 years	5 to 15 years	15 to 25 years	25 to 65 years	Over 65 years	Total
Males	—	—	1	1	5	1	8
Females ...	—	—	1	—	2	2	5

WHOOPING COUGH.—One death was registered from this disease, and that occurred in the North Ward. During the preceding year eight deaths occurred.

The following Table gives the number of deaths from Whooping Cough during the last 11 years :—

1897	1898	1899	1900	1901	1902	1903	1904	1905
3	9	0	9	3	0	4	20	1
			1906	1907	1908			
			0	8	1			

INQUESTS, &c.—The number of persons over which the Coroner (F. N. Molesworth, Esq.,) has held inquests or enquiries is more than the year previous. The number of such held was 33 whereas during 1907 18 were held.

CANCER.—During the year, 22 deaths (equal to a rate of 0·81 per 1,000) were registered as due to various forms of Malignant Disease, as compared with 24 registered during the previous year.

Of these deaths 8 were Males ; and 14, Females.

ORGANS AFFECTED.	MALES.	FEMALES.
Arms.....	—	1
Abdomen	1	—
Bladder.....	1	—
Bowel	—	2
Breast	—	2
Liver	1	1
Lungs	—	1
Scalp.....	—	1
Stomach	2	3
Throat	1	—
Tongue.....	2	—
Uterus	—	3
	<hr/> 8	<hr/> 14

MIDWIVES' ACT, 1902.

At the present time, there are on the Register of the Administrative County of Lancaster, for this Borough, sixteen Midwives.

Two of these have temporarily ceased practice.

Three of the Midwives have undergone training in connection with a Maternity Hospital and are certified by examination.

The remainder practice by right of holding the Certificate of the Central Midwives' Board, granted on proof of their having been engaged in bona fide practice for one year previous to the Act coming into operation.

I have again to direct your attention to the following requirements which are urgently needed :—

- (1). Improved ventilation of the sewers.
 - (2). The quicker abolition of the open and closed midden privies, by conversion to the water carriage system.
 - (3). The draining and paving of back streets and passages.
 - (4). The erection of public abattoirs.
 - (5). Provision for the proper cleansing of all sanitary pails now in use.
 - (6). The provision of a Steam Disinfector at the Refuse Destructor Works, or at some other more central position, to replace the present method of removal of infected clothing to the Smallpox Hospital for disinfection.
- During an epidemic of Smallpox this method of disinfection is closed, and then reliance has to be placed upon the disinfection which is carried out in the infected houses, and which certainly cannot be applied satisfactorily to clothing, bedding, &c.
- (7). The provision of an up-to-date Carriage for the removal of patients to the Hospital.

FACTORY AND WORKSHOP ACT, 1901.

In accordance with the provisions of the Factory and Workshops' Act, 1901, it is now incumbent on the Medical Officer of Health to every Local Authority, to report upon the administration of the Act in his district, etc.

The principal industries in the Borough of Heywood are :— Cotton spinning, cotton and woollen weaving, flannelette and towel manufacturing, and dyeing, &c. At the workshops in the Borough the following trades are carried on :—Tailoring, dressmaking, millinery, printing, ironfounding, brass founding, wheelwrighting, joinery, building, mineral water manufacturing, and baking (bake-houses are now included within the provisions of the Act).

The number of manufactories in the town is 63.

The number of workshops in the town is 147.

Description of Workshops on the Register :—

Laundry	1
Other Workshops.....	116
Workshop Bakehouses	30
	<hr/>
	147

FACTORIES, WORKSHOPS, LAUNDRIES, WORKPLACES & HOMEWORK.

1.—INSPECTION.

Including inspections made by Sanitary Inspectors or Inspector of Nuisances.

Premises :

	Inspec- tions	Notices	Prosecu- tions
Factories (including Factory Laundries) ...	18	7	—
Workshops (including Workshop Laundries)	198	14	—
Workplaces.....	—	—	—

2.—DEFECTS FOUND.

Particulars :—

Nuisances under the Public Health Acts :—

	Number of Defects	
	Found	Remedied
Want of cleanliness	7	7
Want of ventilation	4	4
Sanitary Accommodation :—		
Overcrowding	0	0
Insufficient	0	0
Unsuitable or defective	6	6
Not separate for sexes	1	1
Offences under the Factory and Workshop Act ...	—	—
Breach of special sanitary requirements for Bakehouses (S.S. 97 to 100).....	2	2
Other Nuisances	1	1
	<hr/> 21	<hr/> 21

3.—OTHER MATTERS.

Class :—

Number.

Matters notified to H. M. Inspector of Factories.....	Nil.
Action taken in matters referred by H. M. Inspector as remediable under the Public Health Acts, but not under the Factory and Workshops' Act (05), Notified by H. M. Inspector.....	6
Underground Bakehouses (S. 101).	
Certificates granted in 1908	0
In use at the end of 1908	4

Homework :

Number of
Lists. Workers.

Lists of Outworkers (S. 107).

Lists received.....	6	10
Addresses of outworkers received from other Authorities	Nil.	Nil.
Inspection of Outworkers' premises.....	12.	

I am indebted to Mr. J. A. Settle, the Borough Engineer, for the following statement of work done in his department during the year :—

The following streets have been flagged and sewered from January to December, 1908 (inclusive) :—

Sewering only of Regent Street.

Flagging and Kerbing only of Victor Street.

I am, Gentlemen,

Your obedient servant,

H. H. I. HITCHON,

Medical Officer of Health.

HEALTH DEPARTMENT,
HEYWOOD.

*To the Chairman and Members of the Health and Contagious
Diseases (Animals) Committee.*

GENTLEMEN,

I have much pleasure in submitting to you my Annual Report, giving you particulars of the Sanitary Work which has been done during the year 1908.

	1908.	1907.
Houses from which Privies have been abolished and Water Closets substituted.....	74	27
Houses from which Privies have been abolished and Waste Water Closets substituted	8	104
Houses from which Pails have been abolished and Water Closets substituted	35	27
House drains and Water Closets opened and cleansed from obstruction	112	92
Drains provided with efficient traps.....	44	37
Drains repaired and reconstructed	220	251
Backyards paved or repaired.....	183	164
Dirty Houses cleansed and limewashed	84	73
Slopstone pipes disconnected from drains	3	6
Urinal repaired and position altered	1	1
Roofs of Houses repaired and made weather-proof	37	58
Defective Spouting repaired or replaced	110	60
Offensive Accumulations removed.....	94	76
Houses Closed.....	—	24
Privies and Ashpits structurally repaired	10	16
Ashbins Provided in lieu of Ashpits.....	46	36
Defective Sanitary pails renewed.....	52	76

570 notices were served and 2,350 visits were made to premises for the purpose of inspection during the progress of the work.

Legal proceedings were instituted against Messrs. Hartley & Co., Daisyfield, for a nuisance arising from an offensive trade, the case was dismissed with costs.

The case referred to in my last Annual Report and which was pending, was finally withdrawn, the defendant having completed part of the work. The case lasted from July, 1907, to April, 1908, and was before the Magistrates nine times.

INFECTIOUS DISEASE.

Fifty cases of infectious disease were notified during the year. Immediately on receipt of the notification the case is visited and enquiries made as to the probable source of infection. Instructions are given as to the precautions to be taken to prevent the spread of such diseases, and frequent visits are made to see that those are carried out. After recovery of the person suffering, the bedding and rooms are disinfected.

Two hundred and four visits were made, and one hundred and ten rooms were disinfected.

DAIRIES, COWSHEDS AND MILKSHOPS.

There are 36 Dairies and Cowsheds and 2 Milkshops on the register. These have been visited from time to time. I am hoping that during 1909 many improvements will be made in the structural conditions of many of these cowsheds, much is to be desired in this respect.

SLAUGHTER HOUSES.

There are 17 registered Slaughter Houses in the Borough. These are regularly visited, and any breach of the bye-laws pointed out to the occupier. They are well maintained, but in many cases they are situated in close proximity to dwellings.

The slaughtering is still carried on very irregularly.

INSPECTION OF FOOD SUPPLY.

Food in preparation and exposed for sale in the Borough has been inspected from time to time. It was necessary to seize 580 lbs. Beef, 98 lbs. Fish and 3 Geese, which were unfit for food.

CONTAGIOUS DISEASES (ANIMALS) ACT.

I am again pleased to report that no cases have occurred under this Act during the year.

COMMON LODGING HOUSES.

There are now four houses in the Borough registered as Common Lodging Houses.

These are frequently visited, and are kept in a clean condition, on only two occasions have I had to call the keepers attention to contraventions of the bye-laws.

FACTORY AND WORKSHOPS' ACT, 1901.

There are 147 Workshops on the register. 216 inspections have been made, and 21 notices have been served.

Details of the above have been supplied to the Medical Officer, and will be found on pages 25 to 27.

CANAL BOATS' ACTS.

Eighty-two visits were made to the Canal Wharf, and 53 boats were inspected during the year, these were occupied by 109 men, 4 women and 2 children.

SMOKE OBSERVATION.

During the year 74 observations were made of Factory Chimneys, 15 of these exceeded the time limit for black smoke (ten minutes in the hour) and were reported to the committee and dealt with.

Two firms were prosecuted, a fine of 10/- and costs being inflicted in each case.

REMOVAL OF NIGHTSOIL.

	1908.	1907.
Number of Privies emptied.....	8147	8103
„ „ Ashpits „	5550	5247
„ „ Ashbins „	50582	48478
„ „ Fish Tubs „	2021	1999
„ „ Loads removed.....	4743	4825
„ „ Pails emptied.....	27690	28462
„ „ Barrels removed.....	337	356

I am, Gentlemen,

Your obedient servant,

TOM ROBINSON.

TABLE A. Table of Deaths during the year 1908, in the Heywood

LOCALITIES	AGES	Small Pox	Measles	Scarlet Fever	Whooping Cough	Diphtheria, and Membranous Croup	Croup	Fevers			Epidemic Influenza	Cholera	Plague	Diarrhoea
								Typhus	Enteric	Other continued				
NORTH WARD	Under 1 year..				1						1			7
	1 and under 5..		3			3					1			2
	5 and under 15													
	15 and under 25													
	25 and under 65													
	65 and upwards										2			1
	At all ages		3		1	3					4			10
SOUTH WARD	Under 1 year..													14
	1 and under 5..		2											4
	5 and under 15													
	15 and under 25										1			1
	25 and under 65										3			1
	65 and upwards													1
	At all ages		2								4			21
WEST WARD	Under 1 year..													7
	1 and under 5..													
	5 and under 15													
	15 and under 25								1					
	25 and under 65								2			1		1
	65 and upwards													1
	At all ages								3			1		9
INFECTIOUS DISEASES HOSPITAL ..	Under 1 year..													
	1 and under 5..													
	5 and under 15													
	15 and under 25													
	25 and under 65													
	65 and upwards													
	At all ages													
Total number of Deaths from each Disease			5		1	3			3		8	1		40

Urban Sanitary District, classified according to Diseases, Ages, & Localities.

Enteritis	Puerperal Fever	Erysipelas	Other Septic Diseases	Phthisis	Other Tubercular Diseases	Cancer Malignant Disease	Bronchitis	Pneumonia	Pleurisy	Other Diseases of Respiratory Organs	Alcoholism Cirrhosis of Liver	Venereal Diseases	Premature Births	Diseases or Accidents of Parturition	Heart Disease	Accidents	Suicides	Other Inquests or Coroner's Enquiries	Rheumatic Fever	All other Diseases	TOTAL
3					2		3	1					5		1			1		4	29
					2		1	1										1		5	19
1				1				1										1	1	2	7
				3				1												1	5
1				7	2	5	8	3			1			1	4		1	5		15	53
							5								3	1		2		17	31
5				11	6	5	17	7			1		5	1	8	1	1	10	1	44	144
							6	3					1					5		13	42
				1	1		1	3								1		1		3	17
				1	1		1								1			1		1	6
				5				1							2					1	11
				8	1	9	9	7							10		1	5		22	76
						3	9	1							3			1		25	43
				15	3	12	26	15					1		16	1	1	13		65	195
1							2											1		9	20
1																		1		2	4
					2																2
				1																	2
				6	1	3	4	1			2			1	3		2	1		6	34
						2	3								4			1		9	20
2				7	3	5	9	1			2			1	7		2	4		26	82
7				33	12	22	52	23			3		6	2	31	2	4	27	1	135	421

TABLE B.

Table of POPULATION, BIRTHS, AND OF NEW CASES OF INFECTIOUS DISEASES coming to the knowledge of the Medical Officer of Health during the Year 1908, in the Urban Sanitary District of the Borough of Heywood, classified according to Diseases, Ages, & Localities.

[illegible]

TABLE No. I.

Shows mortality from all causes at the subjoined ages, in each of the different Wards of the Borough, with the annual death rate per thousand appertaining to each.

	Under one Year	One and under Five	Five and under Fifteen	Fifteen and under Twenty-five	Twenty-five and under Sixty-five	Sixty-five and upwards	Total	Rate per 1000 living
NORTH WARD ..	29	19	7	5	53	31	144	13.75
SOUTH WARD....	42	17	6	11	76	43	195	17.56
WEST WARD	20	4	2	2	34	20	82	14.96
Infectious Dis- eases Hospital }	..	..	..	..	..	..	..	..
TOTALS.....	91	40	15	18	163	94	421	15.56

Death Rate per thousand of population for the year 1907.....	15.62
„ „ „ „ 1906	16.01
„ „ „ „ 1905	15.53
„ „ „ „ 1904	18.62
„ „ „ „ 1903	15.74
„ „ „ „ 1902	15.62
„ „ „ „ 1901	15.12
„ „ „ „ 1900	18.32
„ „ „ „ 1899	19.24
„ „ „ „ 1898	18.77
„ „ „ „ 1897	16.7
„ „ „ „ 1896	18.6
„ „ „ „ 1895	22.9
„ „ „ „ 1894	18.6
„ „ „ „ 1893	23.2
„ „ „ „ 1892	21.7
„ „ „ „ 1891	25.3
„ „ „ „ 1890	19.0
„ „ „ „ 1889	20.5
„ „ „ „ 1888	18.2
„ „ „ „ 1887	19.0
„ „ „ „ 1886	19.0
„ „ „ „ 1885	17.7
„ „ „ „ 1884	19.6
„ „ „ „ 1883	18.4

Death Rate per thousand of population for the year of children
under one year 3.36

Per centage of deaths under one year to total deaths for the year21.61

TABLE No. 2.

*Shows the number of deaths in each month, and
the ward in which they occurred.*

DISTRICT	January	February	March	April	May	June	July	August	September	October	November	December	TOTAL
NORTH WARD.....	11	10	13	12	5	12	13	20	4	6	13	25	144
SOUTH WARD	20	17	15	21	11	15	15	19	21	14	14	13	195
WEST WARD.....	9	8	9	9	6	6	5	17	3	5	1	4	82
INFECTIOUS DISEASES } HOSPITAL	..	..	..	..	..	..	..	..	..	..	..	..	..
TOTAL	40	35	37	42	22	33	33	56	28	25	28	42	421

TABLE No. 3.

Number and cause of death in each month.

CAUSE OF DEATH	January	February	March	April	May	June	July	August	September	October	November	December	Total
Small Pox													5
Measles	I					2	I	I					5
Scarlet Fever													1
Whooping Cough	I												1
Diphtheria and Membranous Croup	I		I								I		3
Croup													
Typhus Fever													
Enteric Fever					I			I	I				3
Other continued Fevers													
Epidemic Influenza	2		4	I			I						8
Cholera								I					I
Plague													
Diarrhœa			2	I			2	20	6	8	I		40
Enteritis		2		2		I		I				I	7
Puerperal Fever													
Erysipelas ..													
Other Septic Diseases													
Phthisis	I	6	2	6	I	3	5	I	2	3	2	I	33
Other Tubercular Diseases ..		I		I	I		2	4			2	I	12
Cancer, Malignant Disease ..	2	3	3	I	2	I	3		2	2	I	2	22
Bronchitis	5	6	5	9	I	2	3	2		2	4	13	52
Pneumonia.....	2	2	3	I	I	I	2	I	3		4	3	23
Pleurisy													
Other Diseases of Respiratory Organs													
Alcoholism, Cirrhosis of Liver.....		I			2								3
Venereal Disease													
Premature Births.....	I	I					I				2	I	6
Diseases and Accidents of Parturition					I				I				2
Heart Disease	2		3	4	3	5	4	4	I	I	3	I	31
Accidents							I					I	2
Suicides	2			I	I								4
Other Inquests or Coroner's Enquiries	2	3	I	4		6	I	2	3	I	I	3	27
Peripheral Neuritis.....													
Desquamative Dermatitis ..													
Rheumatic Fever.....										I			I
All other causes	18	10	13	11	8	12	7	18	9	7	7	15	135
TOTALS.....	40	35	37	42	22	33	33	56	28	25	28	42	421

TABLE No. 4.

*Notifications of Infectious Diseases from
January 1st to December 31st, 1908.*

MONTH	Small Pox	Cholera	Diphtheria and Membranous Croup	Erysipelas	FEVERS						Plague	Chicken Pox	TOTALS
					Scarlet	Typhus	Enteric	Relapsing	Continued	Puerperal			
January	2	2	1	.....	.....	.....	.....	.....	.....	.....	5
February	2	.....	.....	.....	.....	.....	.....	1	.....	.....	3
March	1	.....	1	.....	1	.....	.....	.....	.....	.....	3
April	1	1	.....	1	.....	.....	.....	.....	.....	3
May	1	2	.....	2	.....	.....	.....	.....	.....	5
June	2	2	3	.....	.....	.....	.....	.....	.....	.....	7
July	1	.....	.....	.....	.....	.....	.....	.....	.....	1
August	1	2	.....	.....	1	.....	.....	1	.....	.....	5
September	2	.....	2	.....	.....	1	.....	.....	5
October	2	1	.....	.....	1	.....	.....	.....	.....	.....	4
November	2	1	1	.....	.....	.....	.....	1	.....	.....	5
December	2	1	.....	.....	.....	.....	1	.....	.....	4
TOTALS	12	13	12	.....	8	.....	.....	5	.....	.....	50

TABLE No. 5.

This table gives a revision of the deaths from 35 different causes during the last nineteen years.

	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908
Small Pox					1	....	4	....	1	....	....	....	....	2	1	....	....	....	....
Measles	1	11	16	8	1	20	11	11	9	17	29	1	3	1	22	1	8	11	5
Scarlet Fever.....	1	....	4	17	9	18	7	4	3	1	1	....	2	3	3	11	10	1	....
Whooping Cough.....	4	15	4	4	....	4	13	3	9	....	9	3	..	4	20	1	....	8	1
Diphtheria and Membranous Croup	13	49	25	9	6	9	1	2	1	....	4	5	16	8	6	10	5	2	3
Croup	4	8	10	....	2	3	5	1	....	....	2	1	....	....	....	....	....	1	....
Typhus Fever																			
Enteric Fever	6	9	4	4	3	6	1	4	1	8	2	1	3	1	....	2	6	1	3
Other continued Fever																			
Epidemic Influenza						20	2	11	7	22	11	6	6	4	6	5	6	13	8
Cholera																			1
Plague																			
Diarrhœa	8	8	5	*	*	*	12	35	32	45	24	24	7	9	27	20	34	4	40
Enteritis	*	*	*	*	*	*	*	*	*	*	4	4	4	1	1	4	5	....	7
Puerperal Fever	3	2	....	2	1	1	1	1	2	3	....	1	1	....	1	....	1	1	....
Erysipelas	2	1	3	1	1	2	1	1	....	....	2	1	1	1	1	....	1	....	....
Other Septic Diseases												1	....	....	....	....	....	....	....
Phthisis	37	44	40	*	*	*	59	44	60	73	47	51	33	40	39	32	25	36	33
Other Tubercular Diseases ..	....	....	....	....	....	....	....	....	....	....	9	13	13	16	5	10	9	12	12
Cancer, Malignant Disease ..	*	*	*	*	*	*	*	*	*	*	24	15	16	22	25	33	16	24	22
Bronchitis											52	35	49	61	54	52	55	64	52
Pneumonia.....	127	148	121	112	96	120	129	89	109	112	44	41	39	38	39	30	26	40	23
Pleurisy											2	....	1	....	3	....	1	3	....
Other Diseases of Respiratory Organs.....											3	4	....	....	....	....	....	....	....
Alcoholism, Cirrhosis of Liver	*	*	*	*	*	*	*	*	*	*	6	6	5	10	8	7	3	4	3
Venereal Disease ..																			
Premature Births.....	*	*	*	*	*	*	*	*	*	*	10	3	7	9	15	5	8	10	6
Diseases and Accidents of Parturition	*	*	*	*	*	*	*	*	*	*	1	1	4	3	7	6	1	1	2
Heart Disease	44	32	32	*	*	*	36	42	53	31	33	34	34	33	39	31	33	38	31
Accidents											8	4	5	6	7	2	4	3	2
Suicides	13	9	7	*	*	*	14	9	17	36	3	4	2	2	3	2	3	4	4
Other Inquests or Coroner's Enquiries											21	20	23	12	20	19	22	11	27
Rheumatic Fever.....	2	2	2	*	*	*	3	1	7	7	2	....	5	2	1	1	3	....	1
Peripheral Neuritis.....	*	*	*	*	*	*	*	*	*	*	*	1	....	....	....	....	....	2	....
Desquamative Dermatitis....	*	*	*	*	*	*	*	*	*	*	1	....	....	....	....	....	....	....	....
All other causes ..	210	252	233	385	314	371	167	173	171	146	112	105	126	120	134	126	141	125	135
TOTALS.....	475	590	506	542	434	574	466	431	482	501	466	385	405	408	487	410	426	419	421

* The number of deaths from this cause has not been tabulated separately.

TABLE No. 6.

INFANTILE MORTALITY DURING THE YEAR 1908.

Deaths from stated Causes in Weeks and Months under One year of Age.

CAUSE OF DEATH.		Under 1 Week.	1-2 Weeks.	2-3 Weeks.	3-4 Weeks.	Total under 1 Month	1-2 Months	2-3 Months	3-4 Months	4-5 Months	5-6 Months	6-7 Months	7-8 Months	8-9 Months	9-10 Months	10-11 Months	11-12 Months	Total Deaths under One Year
All Causes.	Certified	7	4	3	3	17	7	11	10	13	5	9	4	4	2	..	2	84
	Uncertified	1	1	2	1	..	2	2	..	7
Common Infectious Diseases	Small-Pox	1
	Chicken-pox .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Measles .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Scarlet Fever .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Diphtheria : Croup .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Diarrhoeal Diseases	Whooping Cough	1	29
	Diarrhoea, all forms .....	..	..	2	2	4	2	4	2	3	3	4	3	1	1	1	1
	Enteritis, Muco Enteritis, Gastro Enteritis	..	..	..	..	..	..	1	1	..	1	1	..	..	..	..	..
	Gastritis, Gastro-intestinal Catarrh	..	1	..	..	1	1	..	..	1	..	..	..	..	..	..	..
	Premature Birth	4	2	..	..	6	..	..	..	..	..	..	..	..	..	..	..
Wasting Diseases.	Congenital Defects	1	1	1	1	4	..	1	1	1	9
	Injury at Birth.....	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
	Want of Breast-milk (Starvation)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Atrophy, Debility, Marasmus	..	..	..	..	..	2	1	2	3	..	..	1	..	..	..	..
	Tuberculous Meningitis .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Tuberculous Diseases.	Tuberculous Peritonitis : Tabes Mesenterica	1	1
	Other Tuberculous Diseases..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
	Erysipelas .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Syphilis .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Rickets .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Other Causes	Meningitis (not Tuberculous)	1	1	2
	Convulsions	2	..	..	..	2	..	..	2	..	1	..	1	..	..	1	1
	Bronchitis .....	..	..	..	..	..	1	1	1	4	1	2	..	..	1	..	..
	Laryngitis .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Pneumonia .....	..	..	..	..	..	..	1	..	..	..	1	..	2	..	..	..
	Suffocation, overlying .....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Other Causes .....	..	..	..	1	1	1	2	..	..	..	..	..	..	..	..	..
		8	4	3	4	19	7	11	10	13	6	9	6	4	2	2	2	91

TABLE No. 7

Indicates the Birth and Death Rate since 1880.

The Black line represents the death rate
and the red line the birth rate.



